

## CLAIMS

What is claimed is:

1. A method of forming an insulated duct assembly comprising:
  - wrapping a first elongated duct with an insulation blanket having first and
  - 5 second edges, the insulation blanket having an inner wicking layer which is in direct contact with said air duct surface;
  - inserting a portion of said inner wicking layer into the interior of said elongated duct; and
  - adhering a tape layer to the outer surface of said insulation blanket near said
  - 10 first edge;
  - adhering a taper layer to the outer surface of said insulation blanket near the second edge of the insulation blanket; the tape layer being disposed along the seam.
2. The method of claim 1, wherein said portion of said inner wicking layer
- 15 extends into the interior of said duct through a joint in a first section of said elongated air duct and a joint in a second section of said elongated air duct.
3. The method of claim 1, wherein said joints of said duct are zippered joints.
- 20 4. The method of claim 1, wherein said portion of said inner wicking layer extends into the interior of said duct through a joint in said elongated air duct and a joint in a second elongated air duct.
5. The method of claim 1, wherein said elongated duct
- 25 extends longitudinally.
6. The method of claim 5, wherein said portion of said

inner wicking layer extends into the interior of said duct longitudinally along said duct.

7. The method of claim 5, wherein said portion of said  
5 inner wicking layer extends into the interior of said duct perpendicular to the duct.

8. The method of claim 1, wherein said inner wicking layer extends through  
said air duct in intervals of about four feet.

10 9. The method of claim 1, wherein the insulation blanket further comprises an outer  
kraft layer.

10. The method of claim 1, herein the insulation blanket further comprises an outer  
foil surface.

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11. The method of claim 1, wherein the insulation blanket further comprises a facing  
material having vapor retarding properties

12. The method of claim 11, wherein said facing material comprises a polymeric  
20 facing material.

13. The method of claim 11, wherein said facing material comprises a composite  
facing material.

25 14. The method of claim 1, wherein said duct is constructed of metal.